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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/040,759	01/09/2002	Hyuck Jin Kwon	K-0369	2164

34610 7590 07/03/2007
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EXAMINER

IQBAL, KHAWAR

ART UNIT	PAPER NUMBER
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2617

MAIL DATE	DELIVERY MODE
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07/03/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/040,759	Applicant(s) KWON, HYUCK JIN	
	Examiner Khawar Iqbal	Art Unit 2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 04 May 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4, 10, 13, 15-18, 20, 23-27, 29-30 and 41-43 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-4, 10, 13, 15-18, 20, 23-27, 29-30 and 41-43 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-4,10,13,15-18,20,23-27,29-30 and 41-43 are rejected under 35 U.S.C. 103(a) as being unpatentable over Behr et al (20060052090) and further in view of Mault (20030208409).

Regarding claim 1 Behr et al teaches a method of providing a position-matched information service, comprising (figs. 1-2, 40-41):

searching a database of information for content corresponding to a particular business, a particular building or a particular public place of a current location of a mobile terminal determined by location tracking when information content is requested by the mobile terminal (para. # 0064,0070); and transmitting the searched content to the mobile terminal, the transmitted content including conversation multimedia relevant to the particular business, the particular building or the particular public place of the current location of the mobile terminal (para. # 0070,133-134), wherein the location tracking comprises: receiving an inherent number given to a base transceiver station controlling the mobile terminal and a tracking location of the mobile terminals through the tracking location being carried out on a continuous basis from a network (Autonomous route guidance system providers may improve the accuracy of the

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system by providing occasional database updates to users. The on-line traffic and map updater 72U receives updating information from map database vendor(s) 81 and traffic information providers 83 and maintains map database 72 current) (para. # 0041,0054, 0060,0070,0080); matching the received inherent number of the base transceiver station with a previously stored electronic map of a service area of the base transceiver station (para. # 0041,0043,0054,0070,0080); and determining the particular business, the particular building or the particular public place coinciding with the tracking location of the mobile terminal on the electronic map as a site of the mobile terminal (para. # 0064,0070, fig. 41), and wherein transmitting the searched content includes: transmitting a menu listing a plurality of situations corresponding to the determined particular business, the determined particular building or the determined particular public place (para. # 0070,133-144, figs. 40 and 41); displaying the menu listing the plurality of situations on the mobile terminal (para. # 0070,133-144, figs. 40 and 41); and transmitting, at least one conversation multimedia phrase (a language query requests a list of available languages for display of information at the mobile unit or specifies the language such as English in which the routing information is to be displayed at the remote unit, The display can include textual information providing travel directions, map and audibly presents the travel directions to the user) (para. # 0039, 0070,0133-0144, fig. 40). Behr et al teaches the system has a base unit (12) exchanging data messages with remote units (14) to provide multiple information services. The base unit includes a database representing geographic information and a database updater. Route guidance services provide route guidance information to a

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remote unit, and surroundings explorer services provide information to the remote unit for identifying points of interest. A language query requests a list of available languages for display of information at the mobile unit or specifies the language such as English in which the routing information is to be displayed at the remote unit. The query message 120 further includes a subscriber identifier field 130. The information provided in this field may be used for billing and audit information. The query message 120 further includes a message identifier field 132. The characters in this field are used to tag response messages transmitted from the base unit 12 to the requesting mobile unit. Behr et al does not specifically state transmitting, when a specific one of the situations is selected from the displayed menu on the mobile terminal.

In an analogous art, Mault teaches transmitting, when a specific one of the situations is selected from the displayed menu on the mobile terminal (para. # 0083). Portable computing device (10) with display (12) can be linked via network (18) to restaurant computer (16) and to a remote database such as server system (20). Using this network, the display can be used to show multimedia menu listings (see para. 0058-0059), nutritional information, maps showing food retailer locations, user directions, ordering, preparation request options to accompany an order, charging information, etc. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Behr et al by specifically adding feature transmitting, when a specific one of the situations is selected from the displayed menu on the mobile terminal, terminal located within restaurant, ordering meal dining at

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restaurant in order to enhance provides a flexible system that can take account of selecting different practices as taught by Mault.

Regarding claim 10 Behr et al teaches a method of providing a position-matched information service, comprising (figs. 1-2,40-41): tracking a location of a specific mobile terminal (para. # 0064,0070); registering a final location of the mobile terminal (para. # 0064,0070); searching a specific multimedia data stored in a memory that corresponds to the registered final location when the mobile terminal requests a multimedia service at the registered final location (para. # 0041,0043,0054,0070,0080); and transmitting the multimedia data to the mobile terminal, the transmitted multimedia data including English conversation multimedia phrases relating to a plurality of conversations at a one of a business, a building or a public place corresponding to the registered final location of the tracked specific mobile terminal (para. # 0041,0043,0054,0070,0080,0133-0144), wherein tracking the location comprises: receiving an inherent number given to a base transceiver station controlling the mobile terminal and a tracking location of the mobile terminal, the tracking location being carried out on a continuous basis from a network; matching the received inherent number of the base transceiver station with a previously stored electronic map of a service area of the base transceiver station (para. # 0041,0043,0054,0070,0080,0133-0144); and determining the one of the business, the building or the public place coinciding with the tracking location of the mobile terminal on the electronic map as the site of the mobile terminal (para. # 0041,0043,0064,0070,0080,0133-0144). Behr et al teaches the system has a base unit

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(12) exchanging data messages with remote units (14) to provide multiple information services. The base unit includes a database representing geographic information and a database updater. Route guidance services provide route guidance information to a remote unit, and surroundings explorer services provide information to the remote unit for identifying points of interest. A language query requests a list of available languages for display of information at the mobile unit or specifies the language such as English in which the routing information is to be displayed at the remote unit. The query message 120 further includes a subscriber identifier field 130. The information provided in this field may be used for billing and audit information. The query message 120 further includes a message identifier field 132. The characters in this field are used to tag response messages transmitted from the base unit 12 to the requesting mobile unit. Behr et al does not specifically state wherein the conversation multimedia phrases comprise phrases to be used at the one of the business or the building corresponding to the registered final location of the tracked specific mobile terminal.

In an analogous art, Mault teaches transmitting, conversation multimedia phrases comprise phrases to be used at the one of the business or the building corresponding to the registered final location of the tracked specific mobile terminal (para. # 0058-0059,0071,0081,0083). Portable computing device (10) with display (12) can be linked via network (18) to restaurant computer (16) and to a remote database such as server system (20). Using this network, the display can be used to show multimedia menu listings, nutritional information, maps showing food retailer locations, user directions, ordering, preparation request options to accompany an order, charging

information, etc. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Behr et al by specifically adding feature used at the one of the business or the building corresponding to the registered final location of the tracked specific mobile terminal, terminal located within restaurant, ordering meal dining at restaurant in order to enhance provides a flexible system that can take account of different practices system performance as taught by Mault.

Regarding claim 2 Behr et al teaches wherein the information content comprises multimedia information content (para. # 0070, 0133-0144).

Regarding claims 3,13 Behr et al teaches wherein comprises the multimedia information at least one of video, audio and text data (para. # 0070).

Regarding claims 4,15-17 Behr et al teaches wherein the multimedia information content comprises at least one of a series of conversational phrases appropriate to the current location of the mobile terminal (para. # 0070,133-134, fig. 40).

Regarding claim 18 Behr et al teaches a method of providing a position-matched English conversation service, comprising: storing a plurality of English language conversational phrases as multimedia data corresponding to a plurality of situations of a plurality of specific locations (para. # 0041,0043,0054,0070,0080,0133-0144); determining a specific location of a mobile terminal in accordance with a location tracking procedure when the mobile terminal requests an English conversation service; determining which one of the plurality of specific locations corresponds to the specific location of the mobile terminal (para. # 0041,0043,0054,

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0070,0080,0133-0144); storing an electronic map of a service area for each base transceiver station servicing the mobile terminal; and transmitting the English language conversational conversation multimedia phrases corresponding to a plurality of conversations relevant to the specific location of the mobile terminal (para. # 0041,0043,0054,0070,0080,0133-0144), wherein the location tracking procedure comprises: receiving an inherent number given to a base transceiver station controlling the mobile terminal and a tracking location of the mobile terminal through carrying out on a continuous basis from a network (para. # 0041,0043, 0054, 0070,0080,0133-0144); matching the received inherent number of the base transceiver station with a corresponding previously stored electronic map of the service area of the base transceiver station (para. # 0041,0043,0054,0070, 0080, 0133-0144); and determining the specific location coinciding with the tracking location of the mobile terminal on the electronic map as the site of the mobile terminal, wherein transmitting the English language conversation multimedia phrases comprises: transmitting a menu listing the plurality of situations corresponding to the determined specific location, and transmitting, when a specific one of the situations is selected from the menu on the mobile terminal, the English language conversation multimedia phrase corresponding to the selected one of the situations from the menu (para. # 0041,0043,0064, 0070, 0080, 0133-0144). Behr et al teaches the system has a base unit (12) exchanging data messages with remote units (14) to provide multiple information services. The base unit includes a database representing geographic

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information and a database updater. Route guidance services provide route guidance information to a remote unit, and surroundings explorer services provide information to the remote unit for identifying points of interest. A language query requests a list of available languages for display of information at the mobile unit or specifies the language such as English in which the routing information is to be displayed at the remote unit. The query message 120 further includes a subscriber identifier field 130. The information provided in this field may be used for billing and audit information. The query message 120 further includes a message identifier field 132. The characters in this field are used to tag response messages transmitted from the base unit 12 to the requesting mobile unit. Behr et al does not specifically state wherein the conversation multimedia phrases comprise phrases to be used at the one of the business or the building corresponding to the registered final location of the tracked specific mobile terminal.

In an analogous art, Mault teaches transmitting, conversation multimedia phrases comprise phrases to be used at the one of the business or the building corresponding to the registered final location of the tracked specific mobile terminal (para. # 0058-0059,0071,0081,0083). Portable computing device (10) with display (12) can be linked via network (18) to restaurant computer (16) and to a remote database such as server system (20). Using this network, the display can be used to show multimedia menu listings, nutritional information, maps showing food retailer locations, user directions, ordering, preparation request options to accompany an order, charging information, etc. Therefore, it would have been obvious to one of ordinary skill in the art

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at the time the invention was made to modify the device of Behr et al by specifically adding feature used at the one of the business or the building corresponding to the registered final location of the tracked specific mobile terminal, terminal located within restaurant, ordering meal dining at restaurant in order to enhance provides a flexible system that can take account of different practices system performance as taught by Mault.

Regarding claim 20 Behr et al teaches wherein the menu is displayed on the mobile terminal, a menu item for a desired situation is selected by a user (para. # 0064, 0070, 0133-0144).

Regarding claim 23 Behr et al teaches a method of providing a position-matched English conversation service, comprising (figs. 1-2,40-41):

storing a plurality of English conversational multimedia phrases relating to a plurality of conversations (para. # 0041,0043,0064,0070,0080,0133-0144); determining a present location of a mobile terminal when an English conversation service is requested from the mobile terminal (para. # 0041,0043,0064,0070,0080,0133-0144); and a selected one of the plurality of the related English conversational multimedia phrases to the mobile terminal when it is determined that the present location of the mobile terminal (para. # 0041,0043,0064,0070,0080,0133-0144), transmitting a selected one of the plurality of the related English conversational phrases to the mobile terminal (para. # 0064,0070,0133-0144). Behr et al teaches the system has a base unit (12) exchanging data messages with remote units (14) to provide multiple information services. The base unit includes a database representing geographic information and

a database updater. Route guidance services provide route guidance information to a remote unit, and surroundings explorer services provide information to the remote unit for identifying points of interest. A language query requests a list of available languages for display of information at the mobile unit or specifies the language such as English in which the routing information is to be displayed at the remote unit. The query message 120 further includes a subscriber identifier field 130. The information provided in this field may be used for billing and audit information. The query message 120 further includes a message identifier field 132. The characters in this field are used to tag response messages transmitted from the base unit 12 to the requesting mobile unit. Behr et al does not specifically state terminal located within restaurant, ordering meal dining at restaurant.

In an analogous art, Mault teaches terminal located within restaurant, ordering meal dining at restaurant (para. # 0058-0059,0071,0081,0083). Portable computing device (10) with display (12) can be linked via network (18) to restaurant computer (16) and to a remote database such as server system (20). Using this network, the display can be used to show multimedia menu listings, nutritional information, maps showing food retailer locations, user directions, ordering, preparation request options to accompany an order, charging information, etc. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Behr et al by specifically adding feature used at the one of the business or the building corresponding to the registered final location of the tracked specific mobile terminal, terminal located within restaurant, ordering meal dining at restaurant in order

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to enhance provides a flexible system that can take account of different restaurant practices as taught by Mault.

Regarding claims 24-27,29-30 Behr et al teaches English conversational multimedia phrases are classified into a first situation multimedia data, a second situation multimedia data used, and wherein the classified first, second, and third situation multimedia data are transmitted to the mobile terminal in a single data stream (para. # 0041,0043,0064,0070,0080,0133-0144). Behr et al does not specifically teach terminal located within restaurant, ordering meal dining at restaurant.

In an analogous art, Mault teaches terminal located within restaurant, ordering meal dining at restaurant (para. # 0058-0059,0071,0081,0083). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the device of Behr et al by specifically adding feature terminal located within restaurant, ordering meal dining at restaurant in order to enhance system performance as taught by Mault.

Regarding claims 41-43 Behr et al wherein determining the particular business, the particular building or the particular public place comprises determining that the mobile terminal is located within a restaurant, and wherein searching the database comprises searching for information corresponding to the restaurant the mobile terminal is located within (para. # 0041,0043,0064, 0070, 0080, 0133-0144).

Response to Arguments

Applicant's arguments with respect to claims 1-4,10,12-13,15-18,20,23-27,29,30, 41-43 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion


Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khawar Iqbal whose telephone number is 571-272-7909.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, GEORGE ENG can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

Khawar Iqbal


GEORGE ENG
SUPERVISORY PATENT EXAMINER